Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/07/2015 11:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124822	-1	4.74	124651	4.77
Blue	F	SSC	125000	124813	-1	3.02	125685	2.79
Blue	E	FITC	17998	17471	-3	2.67	984	9.64
Blue	D	PE	23234	22727	-3	2.20	1025	8.91
Blue	B	PerCP-Cy5-5	69571	69237	-1	2.97	1833	14.36
Blue	A	PE-Cy7	77815	76956	-2	4.08	997	27.46
Red	C	APC	65936	65534	-1	2.58	3706	8.29
Red	A	APC-Cy7	100669	100267	-1	2.54	1987	8.07
Violet	B	V450	10405	9853	-6	4.12	609	8.97
Violet	A	V500	47250	45490	-4	3.77	2566	6.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19088	26.53	623	44	N/A	N/A	Pass
Blue	F	SSC	62242	1.70	527	38	N/A	N/A	Pass
Blue	E	FITC	107	38.31	540	25	0.0218	199	Pass
Blue	D	PE	212	26.11	533	26	0.1430	128	Pass
Blue	B	PerCP-Cy5-5	221	43.75	623	33	0.0094	29	Pass
Blue	A	PE-Cy7	72	111.20	681	35	0.0123	12	Pass
Red	C	APC	345	26.78	589	11	0.0201	2	Pass
Red	A	APC-Cy7	123	38.73	569	10	0.0046	737	Pass
Violet	B	V450	65	48.35	473	23	0.0419	2465	Pass
Violet	A	V500	166	26.50	514	26	0.0125	904	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-30.80	-30.47	0.71
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.21
Red	17.09	13.09 - 19.63	N/A	N/A	31.25	31.44	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9763

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments